8421 DLP® Projector

Breakthrough classroom performance with incredible picture quality, high reliability, and lower cost of ownership.

Key Features

- XGA 1024 x 768 resolution
- 3,000 ANSI lumens light output
- 2500:1 contrast ratio
- 4.500 hours lamp life (Standard mode)
  6,000 hours lamp life (Eco mode)*
- ImageCare technology
- BrilliantColor™
- Deeper black levels
- Wall color correction
- Filter free design

Dukane's 8421 DLP® projector represents the new standard for classroom environments and versatility with high resolution XGA performance, an innovative feature set and overall value. The 8421 incorporates 3,000 ANSI lumens light output and a 2500 : 1 contrast ratio for vibrant, bold images with deeper black levels and razor-sharp text. Perfomance versatility is enhanced by HDMI terminals which accommodate many types of AV devices. Plus, Dukane's Intelligent Eco Mode with ImageCare combines optimal picture performance with energy savings for a lower cost of ownership. For added peace of mind, Dukane's 8421 is also backed by a generous warranty and our world-class service and support programs.

The wireless remote control enables you to easily control a full complement of projector functions.

8421

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8421 DLP® Projector

SPECIFICATION HIGHLIGHTS

3,000 ANSI Lumens Light Output

The light output specification measures the brightness of light output and with 3,000 ANSI lumens the result is bright, clear, true to life images with incredible detail.

2500:1 Contrast Ratio

Contrast can be automatically controlled through an active iris to add depth perspective during both bright and dark scenes.

HDMI Input (HDCP)

Digital connectivity allows for highest image quality from your HD device. Compliancy with HDCP.

6,000 Hour Lamp Life (Eco mode)*

Another key to low total cost of ownership is a long life lamp. The lamp is rated at 4,500 hours in standard mode and 6,000 hours in Eco mode.

Power Saving Standby Mode

Power saving mode reduces the standby power consumption to less than 0.5W.

UNIQUE FEATURES

ImageCare Technology

ImageCare is a lamp power control function that combines optimal picture performance with maximum energy savings by decreasing energy usage, improving contrast ratio and lengthening lamp life. The result is a lower total cost of ownership and decreased maintenance cost.

Intelligent Eco Mode

Automatically changes the brightness of the lamp according to the brightness level of the screen. Using ImageCare technology, these features give optimal picture performance with maximum energy savings.

STANDARD FEATURES

BrilliantColor™

BrilliantColor technology is setting a new standard in color performance. BrilliantColor offers color processing to enhance color performance for rich, vibrant and accurate colors.

DLP® Technology

DLP technology was invented, developed and is owned by Texas Instruments. The DLP chip is a digital semiconductor that contains millions of microscopic mirrors. These projectors use DLP technology to project images with amazing quality.

Easy Maintenance

Easy maintenance is another attractive function, as the lamp door is on top of the model.

3D Capable

Discover the teaching advantages of 3D! This DLP projector offers the latest trend for the classroom with 3D viewing. It will engage your students and can improve the learning process. 3D glasses and a special graphic card are required for 3D viewing and are not included with the projector.

Wall Color Correction

This feature corrects the color of images projected on surfaces that are not white to prevent color differences between the source and projections. Five wall color modes include light yellow, light green, blue, black board and pink.

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* Actual lamp life will vary by individual lamp and based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

8421 DLP® Projector

Enhance the educational experience with Dukane's 8421.

The 8421 DLP® projector from Dukane is specifically designed to enhance the educational experience — for students and teachers. Leading edge DLP® projector technology helps stimulate the imagination of students of all ages and makes lessons become more interesting, compelling and memorable. Vivid colors. Deeper blacks. Bold graphics. Crisp text.

The 8421 does it all in classrooms of all sizes. With 3,000 ANSI lumens light output, XGA 1024 x 768 resolution, the 8421 provides the perfect solution. It also features exceptional reliability, a high contrast ratio, HDMI terminals so you can connect many types of AV devices, and wall color correction which corrects the colors of images projected on surfaces that are not white. With Dukane's 8421, learning has never been easier, more enjoyable or so engaging.

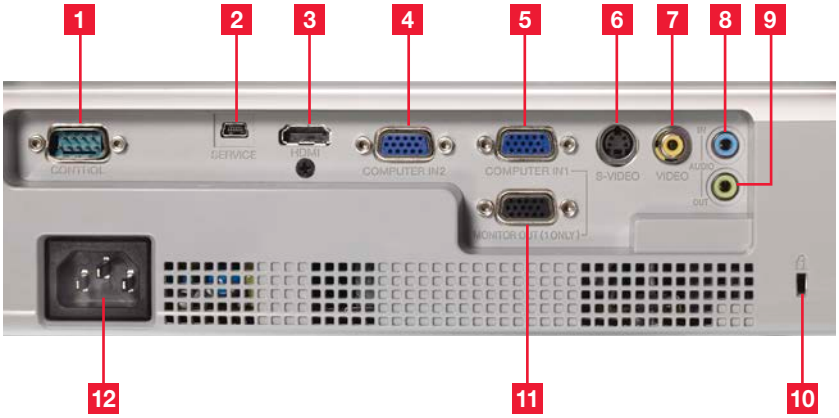
Front 3/4 View

Top View

Left Side Profile

Right Side Profile

Input/Outputs



1. Control (RS-232C)
2. Service
3. HDMI
4. Computer in 2
5. Computer in 1
6. S-Video
7. Video
8. Audio In
9. Audio Out
10. Lock
11. Monitor Out (1 only)
12. AC In

DLP Technology

Closed Captioning

5 Year Warranty

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Accessories	
Supplied Accessories	Remote control, power cord, computer cable, user's manual
Optional Accessories	N/A
Replacement Parts	
Lamp	456-8420
Remote Control	HL02961

Projection Throw Chart (In inches)

Screen Size 4:3	Throw Distance	
Desired Distance	**Max. Diagonal**	**Max. Diagonal**
39	26	24
59	40	36
118	79	72
177	119	108
236	159	144

Throw Ratio: (distance : width)
1.86 - 2.04 : 1

PICTURE BY DLP TEXAS INSTRUMENTS

Specifications		
Display	**Projection Technology**	0.55" single chip DLP
	Resolution	XGA - 1024 x 768
	Light Output	3,000 ANSI lumens
	Colors	1.07 billion colors
	Aspect Ratio	Native 4:3 / 16:9 compatible
	Contrast Ratio	2500 : 1
	Throw Ratio (distance : width)	1.86 - 2.04 : 1
Lens & Operation	**Lens**	x 1.1 manual zoom
	Lamp Wattage	196W
	Expected Lamp Life*	Approximately 4,500 hours (standard mode) 6,000 hours (Eco mode)
	Speaker Output	2W x 1
	Acoustic Noise Level	33 dB (29 dB in Eco mode)
	Keystone	+/- 30° vertical only
Compatibility	**Computer**	VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16"
	H-Sync	31.5 kHz - 102 kHz
	V-Sync	59.9 Hz - 120 Hz
	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	Component Video	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	HDMI	480i, 480p, 576i, 576p, 720p, 1080p, 1080p
Connectors	**Digital Input**	HDMI x 1 (HDCP compliant)
	Computer Input 1	15-pin mini D-sub x 2
	Computer Input 2	15-pin mini D-sub x 2
	Computer Monitor Output	15-pin mini D-sub x 1 (computer in 1 only)
	Video Input	
	S-Video	Mini DIN 4-pin x 1
	Composite Video	RCA jack x 1
	Component Video	15-pin D-sub x 2 (shared with computer in 1/2)
	Audio Input	3.5 mm stereo mini jack x 1
	Audio Output	3.5 mm stereo mini jack x 1
	Network LAN Wired	N/A
	Network LAN Wireless	N/A
	USB	N/A
	Control Terminals	9-pin D-sub x 1 (RS-232 control)
Ratings & Warranty	**Power Supply**	AC100-120V / AC220-240V, 50/60Hz
	Power Consumption	250W
	Operating Temperature	32°F - 95°F (0°C - 35°C)
	Dimensions (W x D x H)	10.4" x 8.8" x 3.2" (excl. protruding parts) / Shipping 12" x 11" x 9"
	Weight	approx. 4.8 lbs. / Shipping 11 lbs.
	Approvals	UL 60950-1 / cUL FCC Part 15 subpart B class B
	Warranty	Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program
	UPC	00000060519400280

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